

Title: METHODS OF THERAPY AND DIAGNOSIS  
USING TARGETING OF CELLS THAT EXPRESS  
KILLER CELL IMMUNOGLOBULIN-LIKE  
RECEPTOR-LIKE PROTEIN

Applicants: Peter C.R. Emtage et al.

Docket No.: NUVO-02CP

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**BLASTP ALIGNMENT OF SEQ ID NO: 3 KILLER CELL Ig-LIKE  
RECEPTOR-LIKE POLYPEPTIDE (KIRHy1) WITH HUMAN NK INHIBITORY  
RECEPTOR PRECURSOR (SEQ ID NO: 8)**

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Query: KIRHy1 (SEQ ID NO: 3)

Subject: gi|20502982 NK inhibitory receptor precursor [Homo sapiens]  
(SEQ ID NO: 8)

Length = 290

Score = 574 bits (1480), Expect = e-163

Identities = 288/305 (94%), Positives = 288/305 (94%), Gaps = 15/305 (4%)

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Query: 1   MPLLTLYLLLFWLSGYSIVTQITGPTTVNGLERGS�TVQCVYRSGWETYLKWWCRGAIWR 60
          MPLLTLYLLLFWLSGYSI TQITGPTTVNGLERGS�TVQCVYRSGWETYLKWWCRGAIWR
Sbjct: 1   MPLLTLYLLLFWLSGYSIATQITGPTTVNGLERGS�TVQCVYRSGWETYLKWWCRGAIWR 60

Query: 61  DCKILVKTSQSEQEVKRDVSIKDNQKNRTFTVTMEDLMKTDADTYWCGIEKTGNLGVТ 120
          DCKILVKTSQSEQEVKRDVSIKDNQKNRTFTVTMEDLMKTDADTYWCGIEKTGNLGVТ
Sbjct: 61  DCKILVKTSQSEQEVKRDVSIKDNQKNRTFTVTMEDLMKTDADTYWCGIEKTGNLGVТ 120

Query: 121 VQVTIDPASTPAPTTPSTTFTAPVTQEETSSSPTLTGHHLNDRHKLLKLSVLLPLIFTI 180
          VQVTIDPA                      PVTQEETSS PTLTGHHLNDRHKLLKLSVLLPLIFTI
Sbjct: 121 VQVTIDPA-----PVTQEETSSFPTLTGHHLNDRHKLLKLSVLLPLIFTI 165

Query: 181 LLLLLVAASLLAWRMMKYQQKAAGMSPEQVLQPLEGDLСYADLTQLAGTSРRKATTKLS 240
          LLLLLVAASLLAWRMMKYQQKAAGMSPEQVLQPLEGDLСYADLTQLAGTSРRKATTKLS
Sbjct: 166 LLLLLVAASLLAWRMMKYQQKAAGMSPEQVLQPLEGDLСYADLTQLAGTSРRKATTKLS 225

Query: 241 SAQVDQVEVEYVTMASLPKEDISYASLTGAEDQEPTYCNMGHLSSHLPGRGPEEPTEYS 300
          SAQVDQVEVEYVTMASLPKEDISYASLTGAEDQEPTYCNMGHLSSHLPGRGPEEPTEYS
Sbjct: 226 SAQVDQVEVEYVTMASLPKEDISYASLTGAEDQEPTYCNMGHLSSHLPGRGPEEPTEYS 285

Query: 301 TISRP 305
          TISRP
Sbjct: 286 TISRP 290
```

**FIGURE 1**

**BLASTP ALIGNMENT OF SEQ ID NO: 3 KILLER CELL Ig-LIKE  
RECEPTOR-LIKE POLYPEPTIDE (KIRHy1) WITH HUMAN CMRF35-LIKE  
PROTEIN (SEQ ID NO: 9)**

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Query: KIRHy1 (SEQ ID NO: 3)  
Subject: gi|20380183 similar to CMRF35 leukocyte immunoglobulin-like receptor  
[Homo sapiens] (SEQ ID NO: 9)

Length = 194

Score = 272 bits (695), Expect = 9e-72  
Identities = 133/149 (89%), Positives = 133/149 (89%), Gaps = 15/149 (10%)

Query: 15 GYSIVTQITGPTTVNGLERGS�TVQCVYRSGWETYLKWWCRGAIWRDCKILVKTSGSEQE 74  
GYSI TQITGPTTVNGLERGS�TVQCVYRSGWETYLKWWCRGAIWRDCKILVKTSGSEQE  
Sbjct: 18 GYSIATQITGPTTVNGLERGS�TVQCVYRSGWETYLKWWCRGAIWRDCKILVKTSGSEQE 77

Query: 75 VKRDRVSIKDNQKNRTFTVTMEDLMKTDADTYWCGIEKTGNDLGVTQVTIDPASTPAPT 134  
VKRDRVSIKDNQKNRTFTVTMEDLMKTDADTYWCGIEKTGNDLGVTQVTIDP  
Sbjct: 78 VKRDRVSIKDNQKNRTFTVTMEDLMKTDADTYWCGIEKTGNDLGVTQVTIDP----- 130

Query: 135 TPTSTTFTAPVTQEETSSSPRTLGHHLDN 163  
APVTQEETSSSPRTLGHHLDN  
Sbjct: 131 -----APVTQEETSSSPRTLGHHLDN 151

**FIGURE 2**

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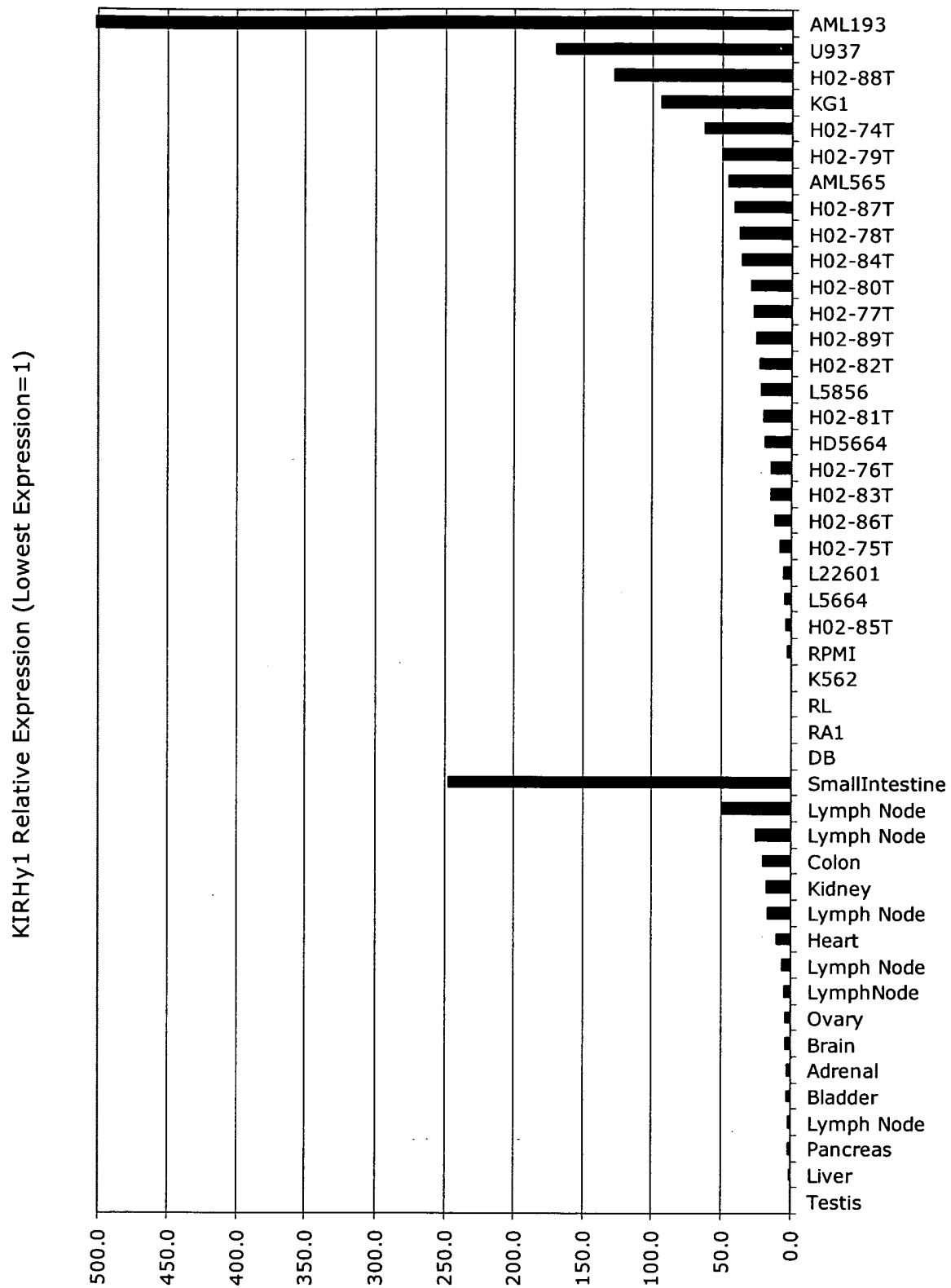


FIGURE 3